

SERVICE MANUAL

**PARTS LIST
EXPLODED VIEW
DIAGRAMS**

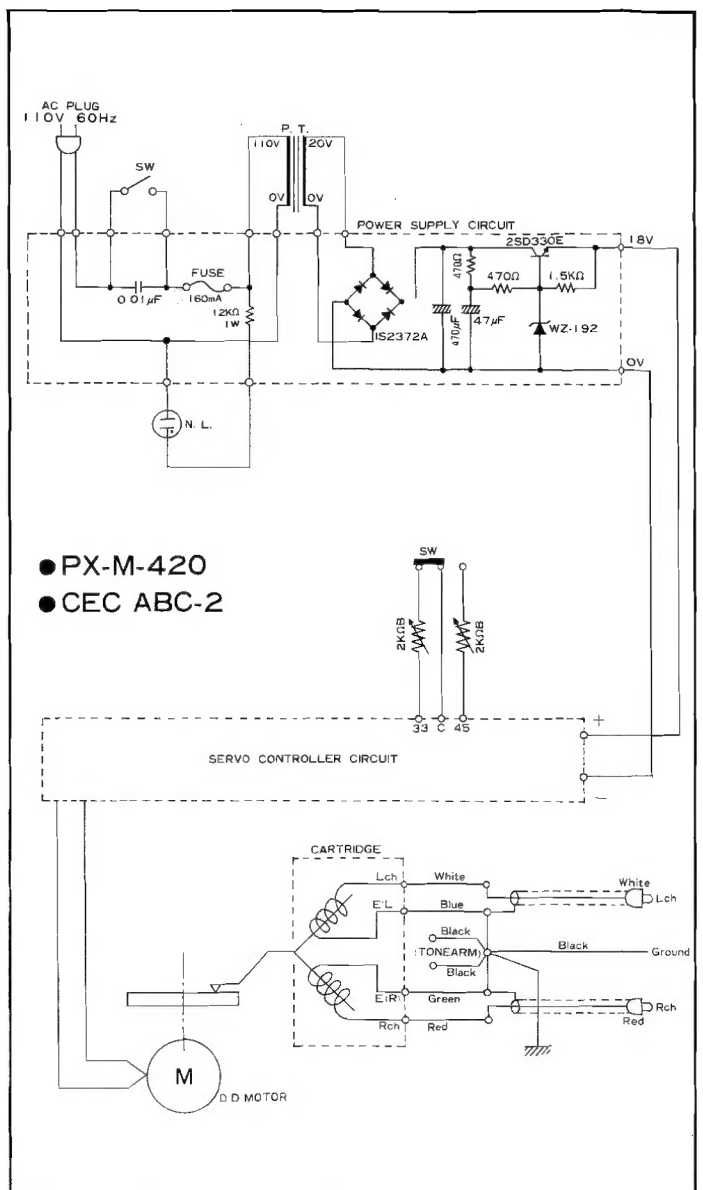
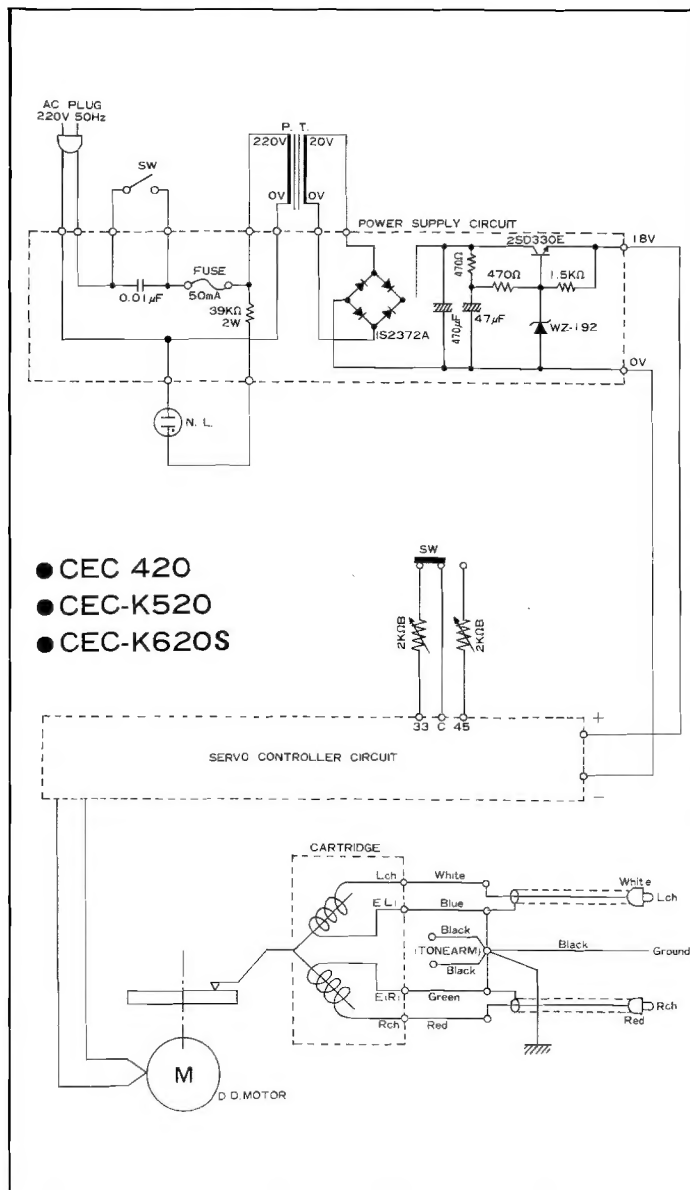
MODELS; CEC 420, CEC ABC-2,
CEC-K620S, CEC-K520,
AND PX-M-420

*SEMI-AUTOMATIC
DIRECT DRIVE TURNTABLE*

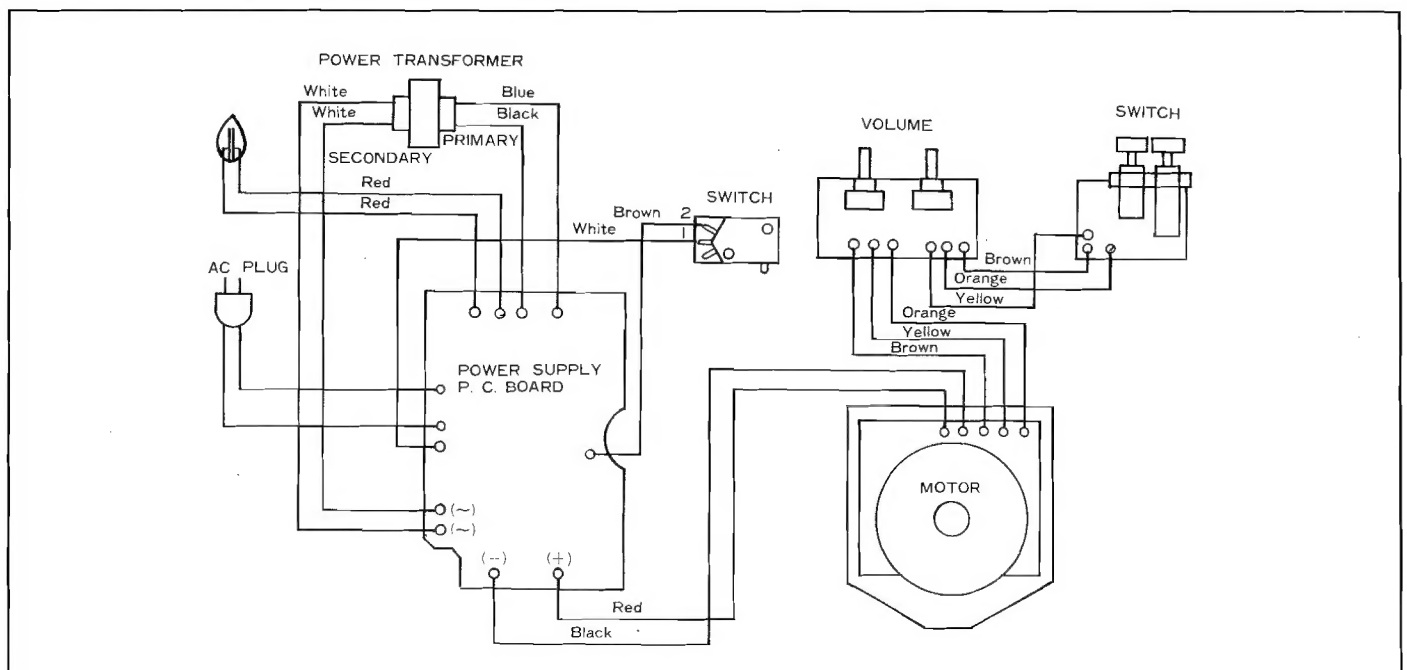


DIAGRAMS

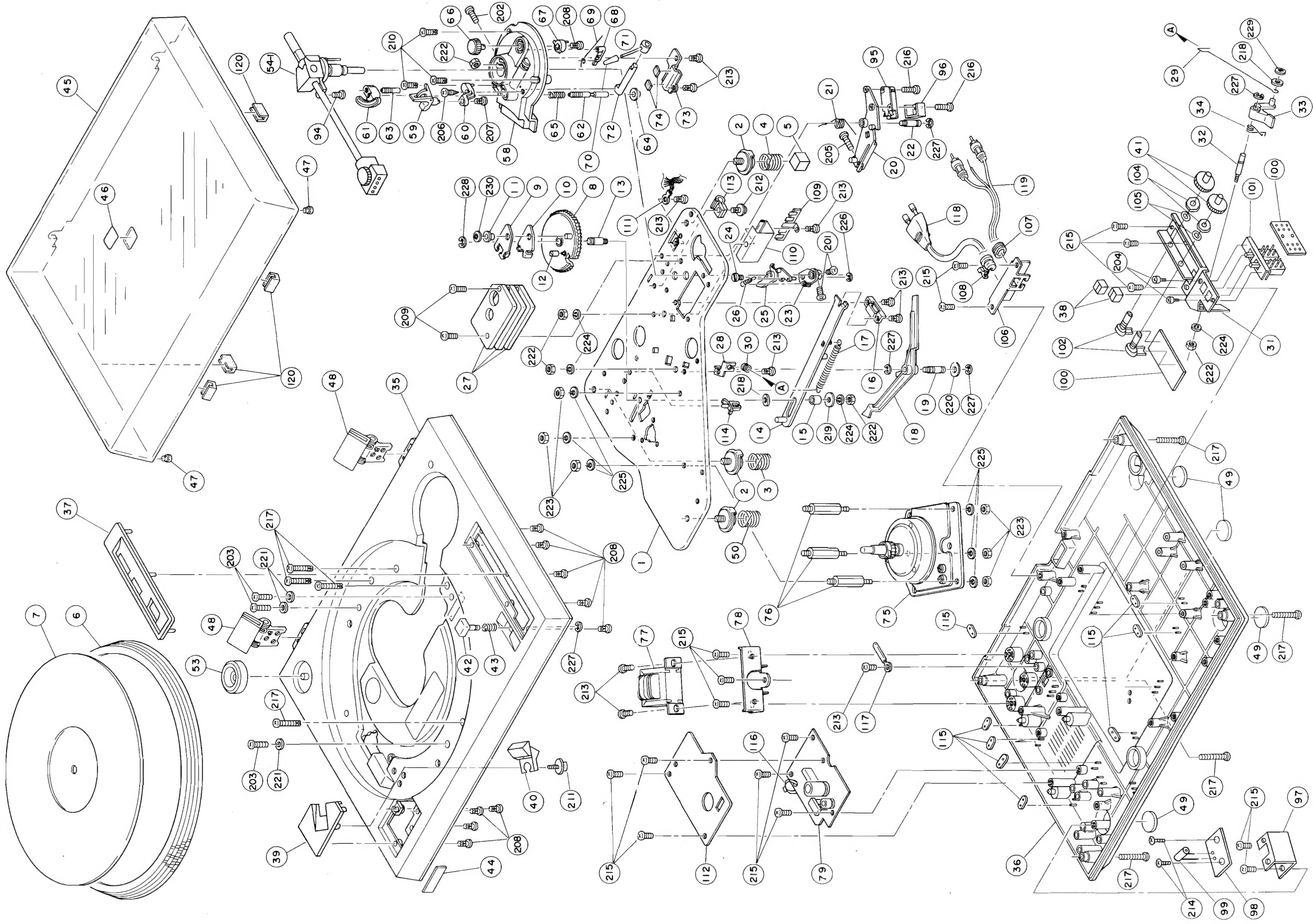
Circuit Diagram



Wiring Diagram



EXPLODED VIEW



PARTS LIST

Ref. No.	Parts No.	Description	Ref. No.	Parts No.	Description
1	CA 20765	Subchassis	61	CD 45342	Tonearm support
2	CD 44937	Spring mounting	62	CB 45359-1	Lift bar
3	CE 46949	Float-spring (B)	63	CB 45360-1	Adjusting screw
4	CE 45624	Float-spring (C)	64	CD 45358	Thrust
5	CD 43361	Cushion	65	CE 45421	Spring
6	CD 20451-1	Turntable platter	66	CD 45339-1	Antiskating knob
7	CD 20455	Turntable platter mat	67	CD 45340	Antiskating cam
8	CD 30343	Drive gear	68	CD 45341	Antiskating lever
9	CA 45710	Ratchet A	69	CE 45422	Antiskating spring
10	CA 43783-1	Ratchet B	70	CD 43819	Knob
11	CB 44117	Ratchet collar	71	C 30769s-2	Cueing lever assy.
12	CD 45709	Drive gear pin	72	CD 45348	Cueing cam
13	CB 43791	Drive gear shaft	73	CA 45355	Friction plate
14	C 44933s	Return plate assy.	74	CK 44942	Friction pad
15	CB 43795	Return plate collar	75	CF 20768	Motor
16	CD 44935	Return plate guide	76	CB 46955	Motor stud
17	CE 44269	Return plate spring	77		Power transformer
18	CD 46959	Return arm	78	CA 46947	Transformer mounting plate
19	CB 44262	Return arm shaft	79		Power PCB assy.
20	CD 44936	Switch plate	80	CF 31012	Power PCB
21	CE 44271	Switch spring	81		Fuse holder
22	CB 42476	Mounting shaft	82	CF 45406	Receptacle
23	C 47222s	Tonearm fixing plate assy.	83	CF 44638	Wire-wrap terminal
24	CB 44954	Rotation shaft	84		Condenser
25	CD 44950-1	Tonearm moving plate	85	CF 44795	Silicon bridge diode
26	CE 41817	Tonearm fixing plate spring	86		Electrolytic condenser (470μF/35V)
27	CA 46956	Weight	87		Electrolytic condenser (47μF/25V)
28	CA 45911	Rod angle	88		Carbon film resistor (470Ω)
29	CE 45912	Connecting rod	89		Carbon film resistor (1.5KΩ)
30	CD 43972	Reject spring spacer	90		Metal oxide film resistor
31	CA 31343	Operating part mounting plate	91	CF 30401	Transistor 2SD330E(D)
32	CB 47841	Shaft	92		Zener diode (WZ-192)
33	CD 45915	Reject lever	93		Fuse
34	CE 45943	Reject lever spring	94	CD 41936	Lift cap
35		Cabinet	95		Microswitch
36	CD 10021-1	Bottom base	96	CD 41833	Switch cover
37		Operating housing	97	CA 47760	Lamp mounting plate
38	CD 47762	Push button	98	CF 47802	Lamp PCB
39		Lamp housing	99	CF 47112	Neon lamp
40	CD 45974	Strobe filter	100	CF 31373	Speed PCB
41	CD 47068	Speed adjusting knob	101	CF 47825	Push switch
42	CD 45914	Reject button	102	CF 47826	Variable resistor
43	CE 46039	Reject spring	103	CF 47829	Cartridge (MM-1)
44		Cabinet badge (logo)	104		Hexagon nut M7
45		Dust cover	105		Plain washer 7φx12φx0.5t
46		Dust cover mark	106	CA 45181-1	Terminal plate
47	CD 44205	Dust cover cushion	107	CD 43849	Bushing
48	CK 30772	Hinge	108	CD 44202	Strain releaf
49	CH 45008	Felt	109		(1L4P lug terminal plate)
50	CE 46948	Float-spring (A)	110		Shield-case
51	CD 44217	Screwdriver	111	CF 44074-1	Braided wire
52	CH 46401	Stylus position gauge	112	CH 46960	Protector (A)
53	CD 43100	45 rpm adapter	113	CD 41832	Cord clamping
54		Tonearm assy.	114	CD 45052	Cord clamping
54-1		Tonearm	115	CD 45160	Clamping wire
54-2		Headshell	116	CD 45269	Cable tie
54-3	C 47331s	Counterweight	117	CF 46081	Mini-clamp
54-4	C 47332s	Subweight	118		AC power supply cord
55	CB 43212-2	Cartridge mounting screw	119	CF 31324	Output shield cord
56	CB 43213	Cartridge mounting nut	120	CD 45371	Dust cover protector
57	CD 43214	Cartridge mounting washer	121	CD 30417-1	Parts box
58	CD 20617	Tonearm base	122	CH 44216	Parts box cover
59	C 45344s	Tonearm rest assy.			
60	CD 45343	Rest arm			

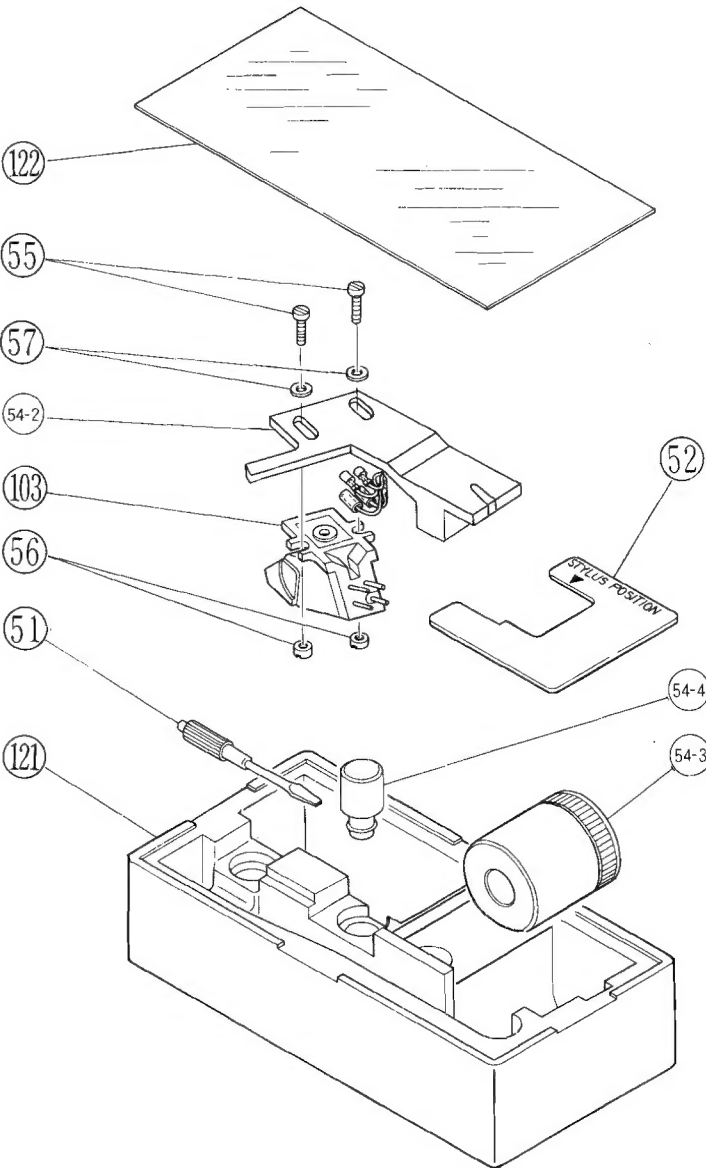
DIFFERENT PARTS AMONG MODELS (Marked O in the PARTS LIST)

Ref. No.	Description	CEC-K520	CEC420	CEC-K620S	PX-M-420	CEC ABC-2
35	Cabinet	CD10031-2	CD10031-3	CD10031-5	CD10031-2	CD10031-3
37	Operating housing	CD31347-04	CD31347-02	CD31347-09	CD31347-08	CD31347-00
39	Lamp housing	CD31346-01	CD31346-00	CD31346-02	CD31346-01	CD31346-00
44	Cabinet badge (logo)	CK44461	CK44461	CK44461	CK48197-00	CK48193-00
45	Dust cover	CD20641-1	CD20641-1	CD20641-1	CD20641-1	CD20641
46	Dust cover mark	CK44143	CK44143	CK44143	CK48192-00	CK44143
54	Tonearm ass'y	CF31393	CF31393	CF30779	CF31393	CF31393
54-2	Headshell	C 46464S	C 46464S	C 46040S	C 46464S	C 46464S
77	Power transformer	CF31289	CF31289	CF31289	CF31417	CF31417
79	Power PCB ass'y	C 31013S	C 31013S	C 31013S	C 31593-00	C 31593-00
81	Fuse holder	CF44495	CF44495	CF44495	CF45854	CF45854
84	Condenser	CF47533	CF47533	CF47533	CF43562	CF43562
90	Metal oxide film resistor	39KΩ	39KΩ	39KΩ	12KΩ	12KΩ
93	Fuse	CF30618-14 50mA	CF30618-14 50mA	CF30618-14 50mA	CF44494 160mA	CF44494 160mA
95	Microswitch	CF31019	CF31019	CF31019	CF30266	CF30266
109	*1L4P lug terminal plateCF43315	CF43315	CF43315	CF47129	CF43315	CF43315
110	*Shield PCBCF47129	CF43315	CF43315	CF47129	CF43315	CF43315
110	Shield-case	CA43988	CF43988		CF43988	CF43988
118	AC power supply cord	CF31329	CF31329	CF31329	CF47562	CF47562

SCREWS, WASHERS AND NUTS

Ref. No.	Description	Ref. No.	Description
201	⊕ Pan head screw M3x10	215	⊕ Brazier head taptite screw B φ3x10
202	⊕ Pan head screw (Bronze) M3x12	216	⊕ Brazier head taptite screw B φ3x16
203	⊕ Pan head screw (Red) M4x16	217	⊕ Pan head taptite screw B φ3.5x25
204	⊕ Pan head Sems screw M3x6	218	Plain washer 3φx8φx0.5t
205	⊕ Pan head taptite screw S φ3x14	219	Plain washer 3φx10φx1t
206	⊕ Pan head tapping screw (class 1) (Bronze) φ3x12	220	Plain washer 4.7φx10φx0.3t
207	⊕ Pan head tapping screw (class 2) (Bronze) φ2.6x6	221	Fiber washer 4φx10φx1t
208	⊕ Pan head tapping screw (class 2) φ2.6x6	222	Hexagon nut M3
209	⊕ Pan head tapping screw (class 2) φ3x14	223	Hexagon nut M4
210	⊕ Pan head tapping screw (class 2) (Bronze) φ3x18	224	Spring washer φ3
211	⊕ Pan head tapping screw (class 2) with plain washer φ3x8	225	Spring washer φ4
212	⊕ Pan head tapping screw (class 2) with plain washer φ3x12	226	E type washer (Bending type) φ3
213	⊕ Brazier head taptite screw B φ3x6	227	E type washer φ3
214	⊕ Brazier head taptite screw B φ3x8	228	E type washer φ4
		229	Stop ring CSTW-2.4
		230	Stop ring CSTW-3

ACCESSORY PARTS



POWER SUPPLY PRINTED CIRCUIT BOARD

